

Figure 1
Current Nitrogen Fertilizer Production

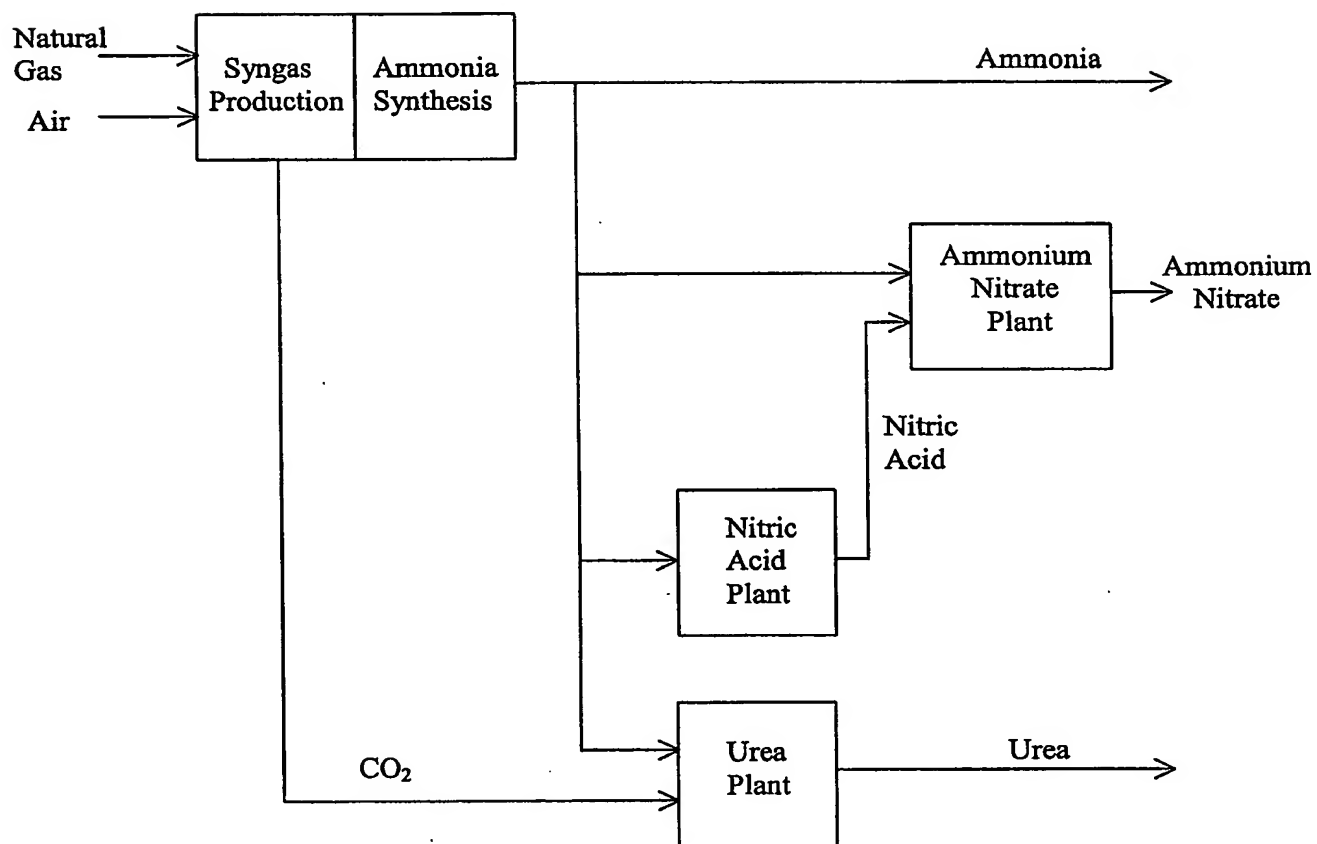
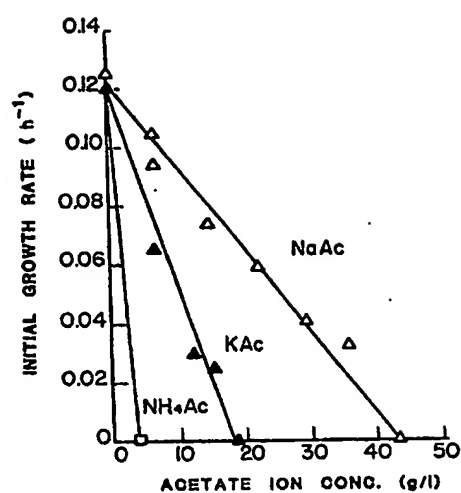
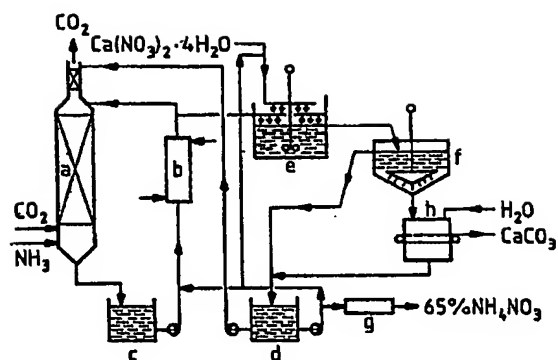


Figure 2



Fermentation Inhibition
by Ammonium Ion
Taken from Wang and Wang (9)

Figure 3



BASF Process Sketch
Taken from Zapp et. al.

Figure 4
Integrated Organic Acid and Ammonium Nitrate Production

